Clean Set of Amended Claims

8. (Thrice Amended) A drug infusion assembly for microinfusing a drug into the hypothalamus of a patient's brain, comprising:

a plurality of microinfusion catheters disposed non-coaxially side-by-side with respect to one another and configured to be inserted into the hypothalamus of a patient's brain, wherein at least one microinfusion catheter of said plurality of microinfusion catheters comprises a plurality of drug delivery ports arranged to deliver a drug to a separate site within the hypothalamus;

a drug delivery manifold, wherein each of said plurality of microinfusion catheters is functionally coupled to said drug delivery manifold;

a drug supply line functionally coupled to said drug delivery manifold; and

a drug reservoir/pump for retaining and pumping a drug, said drug reservoir/pump functionally coupled to said drug supply line.

10. (Twice Amended) The drug infusion assembly as claimed in claim 40, wherein said macrocatheter includes a magnet located at a distal end of said macrocatheter.

53. (Amended) A drug infusion device, comprising a plurality of microinfusion catheters disposed non-coaxially side-by-side with respect to one another and configured to receive a drug and infuse the drug into the hypothalamus of a patient.

60. (Amended) The drug infusion assembly of claim 54, further comprising at least one electrode configured to sense an electrical activity of the hypothalamus.

63. (Amended) A drug infusion device, comprising a plurality of microinfusion catheters disposed non-coaxially side-by-side with respect to one another and configured to receive a drug and infuse the drug into a tissue of a patient, wherein at least one microinfusion catheter comprises a plurality of individually controllable drug delivery ports disposed along a length of the at least one microinfusion catheter.

65. (Amended) The drug infusion device of claim 63, further comprising a macrocatheter configured to house the plurality of microinfusion catheters.

66. (Amended) The drug infusion device of claim 65, wherein at least one microcatheter of the plurality of microcatheters comprises a plurality of individually controllable drug delivery ports disposed along a length of the respective microcatheter.

68. (Amended) A drug infusion assembly comprising the drug infusion device of claim 63, and further comprising a pump configured to deliver the drug to at least one microinfusion catheter of the plurality of microinfusion catheters.

71. (Amended) A drug infusion device, comprising:

a macrocatheter; and

a plurality of microinfusion catheters protrusibly disposed non-coaxially side-by-side within the macrocatheter, wherein at least one microinfusion catheter comprises a plurality of drug delivery ports and is configured to receive a drug and infuse the drug into a tissue of a patient.